DEPARTMENT OF MINES AND EXPLOSIVES.

With reference to notification No. G. 9475—Geol. 69-15-17, dated 18th January 1918, publishing rules to regulate the manufacture, possession, sale, transport and importation of explosives, the following list of "Authorised Explosives" referred to in Rule 4 (3) of the Mysore Explosives Rules, is published for general information :—

LIST OF AUTHORISED EXPLOSIVES.

The following explosives are at present authorised for importation into the Mysore State for general sale :—

CLASS 1.—GUNPOWDER.

The term "gunpowder" means gunpowder ordinarily so called.

GUNPOWDER.

CLASS 2.—NITRATE MIXTURE.

The term "nitrate mixture" means any preparation, other than gunpowder ordinarily so called formed by the mechanical mixture of a nitrate with any form of carbon or with any carbonaceous substance not possessed of explosive properties, whether sulphur be or be not added to such preparation, and whether such preparation be or be not mechanically mixed with any other non-explosive substance, and includes any explosive containing a perchlorate and not being a chlorate-mixture, fulminate or nitro-compound as defined in Rule 4 of the Mysore Explosives Rules, 1917.

Every blasting explosive in this class, in which nitrate of ammonium, nitrate of sodium or chloride of sodium are used as ingredients, shall be contained in cartridge wrappers or cases (or in five-pound inner packages) made thoroughly water-proof with melted paraffin or other suitable water-proofing material.

BOBBINITE.

CARDOX COMPOSITION.

CLASS 3.—NITRO-COMPOUND.

The term "nitro-compound" means any chemical compound possessed of explosive properties or capable of combining with metals to form an explosive compound, which is produced by the chemical action of nitric acid (whether mixed or not with sulphuric acid) or of a nitrate mixed with sulphuric acid upon any carbonaceous substance, whether such compound is mechanically mixed with other substances or not.

The nitro-compound class has two divisions.

Every blasting explosive in this class, in which nitrate of ammonium, nitrate of sodium or chloride of sodium or Nitroglycol are used as ingredients, shall be contained in cartridge wrappers or cases (or in five-pound inner packages) made thoroughly water-proof with melted paraffin or other suitable water-proofing material.

Blasting Explosives in this class marked "S" may be sheathed on the outside of the cartridge but not at the ends with an approved sheathing material. The outer wrapper of any sheathed cartridge shall be sufficiently strong to prevent the escape of any of the sheathing material when the cartridge is submitted to the Jolting Test. If fireproofing material is used for the outer wrapper it must not inter-act in any way with the sheathing material. Provided that when bicarbonate of soda is used as a sheathing material the cartridge shall be thoroughly waterproofed with paraffin wax or a mixture of ceresine and resin.

DIVISION 1.

Division 1 comprises the following explosives and any chemical compound or mechanically mixed preparation which consists either wholly or partly of nitro-glycerine or of some other liquid nitro-compound :—

A. I. Rounkol "S"
A. 2 Monobel
Amon Gelignite.
Ammon Gelignite No. 2
Ammon Gelignite No. 3
differing from the corresponding Polar Ammon Gelignite only in containing nitrated Glycerine unmixed with Poly-Glycerine or Ethylene Glycol.
Ardeer Gelignite
Ballistite
Blasting Gelatine
Chilworth Smokeless Powder No. 2
Cordite
Cordite, M. D
Dynobel No. 2
Gelatine Dynamite
Gelignite
Geobel
Geobel No. 2
Geobel No. 3
Improved Ballistite
L. G. Gelatine
Monobel No. 1
Nobel Cordite
Nobel's Explosive No. 673
N. S. Gelatine Dynamite
N. S. Gelignite
Nacota Powder
Polar Ammon Gelatine Dynamite
Polar Ammon Gelignite
Polar Ammon Gelignite No. 2
Polar Ammon Gelignite No. 3
Polar Dynobel No. 2, "S"
Quarry Monobel
Rockite
Samsonita
Samsonite
Samsonite No. 3
Stonobel
Victor Powder No. 2

Provided that every explosive in this division shall be of such character and consistency as not to be liable to liquefaction or exudation.

Provided also that an explosive which is required by definition to be issued in water-proof inner packages may be exempted from such requirements by special authority when and so long as the conditions of such authority are observed.

DIVISION 2.

Division 2 comprises the following explosives and any nitro-compound as before defined which is not comprised in Division I :—

Alumatol
Ammonal
Amberite No. 2
Baelenite
Cyclotrimethylene-Trinitramine, thoroughly purified.
Di-nitro-phenol, commercially pure
E. C. Sporting Powder
Empire Powder
Guncotton
Light Load Smokeless
Negro Powder No. 2
Nobel Rim Neonite
Picric Acid
Picric Powder
Roburite No. 4
Schultze Gunpowder
Smokeless Diamond
Tonite or Cotton Powder No. 1
Tonite or Cotton Powder No. 2
Tonite No. 3
Tri-nitro-toluol, commercially pure

CLASS 4.—CHLORATE MIXTURE.

The term "chlorate mixture" means any explosive containing a chlorate.

The chlorate mixture class has two divisions.

Every blasting explosive in this class, in which nitrate of ammonium, nitrate of sodium or chloride of sodium are used as ingredients, shall be contained in cartridge wrappers or cases (or in five-pound inner packages) made thoroughly water-proof with melted paraffin or other suitable water-proofing material.

DIVISION 1.

Division 1 comprises any chlorate preparation which consists partly of nitro-glycerine or of some other liquid nitro-compound.

Nil.

Provided that every explosive in this division shall be of such character and consistency as not to be liable to liquefaction or exudation of nitro-glycerine.

DIVISION 2.

Division 2 comprises any chlorate mixture as hereinbefore defined which is not comprised in Division 1.

Nil.

CLASS 5.—FULMINATE.

The term "fulminate," means any chemical compound or mechanical mixture, whether included in the foregoing classes or not, which from its great susceptibility to detonation, is suitable for employment in percussion caps or any other appliances for developing detonation or which from its extreme sensibility to explosion, and from its great instability (that is to say, readiness to undergo decomposition from very slight exciting causes), is especially dangerous.

This class consists of two divisions.

DIVISION 1.

Division 1 comprises such compounds of the fulminates of silver and of mercury, and preparations of those substances such as are used in percussion caps, and any preparation consisting of a mixture of a cholrate with phosphorus or certain descriptions of compounds of phosphorus, with or without the addition of carbonaceous matter, and any preparation consisting of a mixture of a chlorate with sulphur, or with a sulphuret, with or without carbonaceous matter.

Nil.

DIVISION 2.

Division 2 comprises such substances as the chloride and the iodide of nitrogen, fulminating gold and silver, diazobenzol, the nitrate of diazobenzol, lead azide and tetrazene.

CLASS 6.—AMMUNITION.

The term "ammunition" means any explosive of any of the foregoing classes when the same is enclosed in any case or contrivance, or is otherwise adapted or prepared so as to form a cartridge or charge for small arms, cannon or any other weapon, or to form any safety or other fuse for blasting or for shells, or to form any tube for firing explosives or to form a percussion cap, detonator, fog-signal, shell-torpedo, war-rocket, or any other contrivance other than a firework.

The term "percussion cap" does not include a detonator.

The term "detonator" means a capsule or case which is of such strength and construction and contains an explosive of the fulminate—explosive class—in such quantity that the explosion of one capsule or case will communicate the explosion to other like capsules or cases.

The ammunition class has three divisions.

DIVISION 1.

Nobel's Safety Electric Fuses.

Percussion caps, each consisting of a capsule or case of metal containing an explosive of the 5th (Fulminate) Class, not more than 0·5 grain, the said explosive being covered and protected by a coating of tin-foil or other material approved by the Chief Inspector of Mines and Explosives in Mysore and the said capsule or case not containing an anvil; provided that where the proportion of fulminate of mercury in the composition does not exceed 25 per cent, the above limit may be increased to 0·6 of a grain. Provided also that the whole is of such strength and construction that the ignition of one such cap will not ignite other like caps.

Railway Fog-Signals, of such strength and construction and containing an explosive in such quantity that the explosion of one such signal will not communicate the explosion to other like signals.

Safety Cartridges, consisting of cartridges for small arms of which the cases can be extracted from the small arm after firing, and which are so closed as to prevent any explosion in one cartridge being communicated to other cartridges.

Safety Fuse, consisting of fuse for blasting which burns and does not explode, and which does not contain its own means of ignition, and which is of such strength and construction and contains an explosive in such quantity that the burning of such fuse will not communicate laterally with other like fuses.

DIVISION 2.

Division 2 comprises any ammunition as hereinbefore defined which does not contain its own means of ignition, and is not included in Division 1.

Cartridges for Small Arms other than Safety Cartridges.	Detonating Fuse.
Cordeau Bickford.	Electric Fuses.
Cordtex	Electric Primers.

"Fuse Igniters, each consisting of a case of paper charged with a mixture of nitrate of barium, peroxide of barium, chlorate of sodium, chlorate of potassium, sulphate of barium, rosin, zinc dust, mealie meal, French chalk and linseed oil, and not containing its own means of ignition. Provided that the amount of composition in any one ignitor shall not exceed 340 grains and when ignited the time of burning shall not be less than three and a half minutes (for importation only)."

Instantaneous Fuse.
Quick Match.
Tubes for firing Explosives.

DIVISION 3.

Division 3 comprises any ammunition as hereinbefore defined which contains its own means of ignition, and is not included in Division 1.

Cartridges for small arms which are not Safety Cartridges.	Electric Detonators
Detonators.	Friction Tubes
"Electric Boosters" provided on arrival in India the packages are marked "Not to be stored or transported with other explosives."	Nobel's Electric Delay Action Detonators
	Percussion Primers
	Tubes for firing Explosives

CLASS 7.—FIREWORK.

The term "firework" comprises firework composition and manufactured fireworks.

DIVISION 1.—FIREWORK COMPOSITION.

The term "firework composition" means any chemical compound or mechanically mixed preparation of an explosive or inflammable nature which is used for the purpose of making manufactured fireworks, and is not included in the former classes of explosives and also any star and any coloured fire composition subject to the proviso to the definition of manufactured fireworks.

Nil.

DIVISION 2.—MANUFACTURED FIREWORKS.

Manufactured fireworks consisting of any explosive of the classes 1, 2, 3, 4 and 6 and any firework composition when such explosive or composition is enclosed in any case or contrivance or is otherwise manufactured so as to form a squib, cracker, including Chinese crackers, toy-cap or amorce, serpene rocket (other than a war-rocket), maroon, lance, wheel, Chinesefire, Roman candle, or other articlt, especially adapted for the production of pyrotechnic effects, or pyrotechnic signals or sound signals.

Provided that a substantially constructed and hermetically closed metal case, containing not more than one pound of coloured fire composition of such a nature as not to be liable to spontaneous ignition, shall be deemed to be a "manufactured firework" and not a "firework composition."

Amorces, whether in the form of toy caps or igniting tapes containing not more than 70 grains of explosive composition to every 1,000 dots of such composition.

Aluminium Torches
Electric and other Sparklers
Magnesium Torches
} Provided the composition contains no chlorates.

Chinese Crackers made from a gunpowder or nitrate mixture containing no chlorates.

Distress Signal Rockets

Explosive Discs.
Giant Disc Amorces.
} each consisting of a recessed disc, square or rectangle of cardboard containing a composition in the recess covered with paper and containing not more than 0·4 grains of composition per disc. The discs when packed for conveyance shall be in stout cardboard boxes the material being not less than one-twentieth of an inch thick, each containing not more than twenty-four discs. The discs shall be inserted in perforations in a cardboard sheet one-sixteenth of an inch thick attached to the bottom of the box and covered with a layer or sheets of corrugated paper of a total thickness of not less than one quarter of an inch. The size of the box shall be such as to allow not less than three-quarters of a square inch of superficial space per disc. Provided also that not more than 13,824 discs shall be packed together in one outer package and the said outer package shall contain no other fireworks.

Lances, provided the composition does not contain at the same time chlorates and sulphur or sulphides or aluminium.

Magic Pebbles, each consisting of a pebble or clay ball, not more than two inches in diameter and covered with not more than 35 grains of a composition consisting of chlorate of potassium, sesqui sulphide of phosphorus, gum arabic, carbonate of magnesium, carbonate of calcium and oxide of iron;

Provided that the proportions of chlorate of potassium and sesqui sulphide of phosphorus do not exceed 30 per cent and 15 per cent, respectively, and the proportion of gum arabic is not less than 25 per cent of the finished mixture.

Provided also that the composition is protected by a covering of paper.

Marcons, made from a gunpowder or nitrate mixture containing no chlorates.

Pyrotechnic Matches

Rockets,
Roman Candles
Wonder Candles
} made from a gunpowder or nitrate mixture containing no chlorates and provided the stars do not contain at the same time chlorate and sulphur, or sulphide or aluminium and stars containing a chlorate are separated from contact with the gunpowder or nitrate mixture.

Serpents, made from a gunpowder or nitrate mixture containing no chlorates.

Socket Light Signals.
Socket Distress Singals.
Socket Sound Signals.
Squibs made from a gunpowder or nitrate mixture containing no chlorates.
Very Signal Cartridges.
Wheels containing no chlorates.

K. DURAISWAMIER,
Chief Inspector of Mines and Explosives in Mysore.

KOLAR DISTRICT.

Notification No. A2. C. 1868—39-40, dated 10th January 1940.

The undermentioned gentlemen are appointed Dharmadarsis to supervise the temple affairs of Sri Anjaneyaswami Temple, Kannampalli Village, Chintamani Taluk (a Minor Muzrai Institution) for a period of three years from 4th January 1940.

Sl. No.	Names of Gentlemen	Occupation
1	Mr. Shanbhog Krishnappa	Shanbhog (Convenor)
2	,, Patel Appi Reddi ...	Patel
3	,, Chickmuniyappa ...	Agriculturist
4	,, Krishna Rao ...	Retired Postman
5	,, Karapakala Ranganathaiah	Merchant

Serial Number 1 will be the Convenor of the Committee of Dharmadarsis.